

## **ABSTRACT**

A field sequential color display device includes a color wheel assembly. The color wheel assembly has a color wheel which is divided into a plurality of color regions and a motor for rotating the color wheel. The motor contains a sensor for detecting rotation of the motor and the sensor outputs at least one pulse per one revolution of the motor. The color wheel assembly also has a spatial light modulator for displaying image data that is driving in synchronization with the pulse output by the sensor.